

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	3877142
<b>Application Number:</b>	10781951
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	4445
<b>Title of Invention:</b>	Transmit diversity and spatial spreading for an OFDM-based multi-antenna communication system
<b>First Named Inventor/Applicant Name:</b>	J. Rodney Walton
<b>Customer Number:</b>	23696
<b>Filer:</b>	Ross L Franks/Teresa Hayes
<b>Filer Authorized By:</b>	Ross L Franks
<b>Attorney Docket Number:</b>	040235
<b>Receipt Date:</b>	02-SEP-2008
<b>Filing Date:</b>	18-FEB-2004
<b>Time Stamp:</b>	21:57:58
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Filed (SB/08)	040235_2008-09-02_IDS_Signed.pdf	1415714 2202b917051e4f572300d2e6a5534dfe5dd923e9	no	5

### Warnings:

### Information:

This is not an USPTO supplied IDS fillable form					
2	Foreign Reference	WO01076110.pdf	3337977	no	66
			18b505a1c7c8d770da8e1f0b7e17be50ac5e95f1		
Warnings:					
Information:					
3	Foreign Reference	WO03015334.pdf	1458046	no	38
			69209b9c95c765821f055c5a79057f6c6ca3a849		
Warnings:					
Information:					
4	NPL Documents	ISR_PCT_US05_005261_ISA_EP O.pdf	95545	no	3
			d54117d22cc528afab77f5e7ae339b07693f1fb0		
Warnings:					
Information:					
5	NPL Documents	A_Simple_Transmit_Diversity_ Technique_For_Wireless_Com munications.pdf	4882455	no	8
			080f78531cd004da015ab1738b37bd3aeb7734ea		
Warnings:					
Information:					
6	NPL Documents	Smart_Antennas_for_Mobile_C ommunications_Systems.pdf	920839	no	11
			af3edc9db00bf4b8bc64950a1b191cbef3963a4b		
Warnings:					
Information:					
7	NPL Documents	Non_reciprocal_transceivers_in _OFDM_SDMA_Systems_Impa ct_and_Mitigation.pdf	210056	no	4
			fd c966a67602973f95eb6914128170deab9ca27e		
Warnings:					
Information:					
8	NPL Documents	Investigation_of_Front_end_Re quirements_for_MIMO_System s_Using_Downlink_Pre_Distort ion.pdf	272816	no	5
			1360937d5757a6892328dc7d2a0b36c974f64f41		
Warnings:					
Information:					
9	NPL Documents	A_Mimo_System_with_Recipro cal_Transceivers_for_the_Time -division_Duplex_Mode.pdf	185703	no	4
			397f9bc5291f3ea9379b43f09e1588b51fea5053		
Warnings:					
Information:					
10	NPL Documents	Part_11_Wireless_LAN_Mediu m_Access_Control_MAC.pdf	3437680	no	90
			d6785f4bfe8bac19cbc5a8076165f473575e5321		

<b>Warnings:</b>					
<b>Information:</b>					
11	NPL Documents	OFDM-MIMO_WLAN_AP_Front_end_Gain_and_Phase_Mismatch_Calibration.pdf	736389 df5ca1f01f534d3bd8d05ec695eddd3adf157f842	no	4
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			16953220		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					